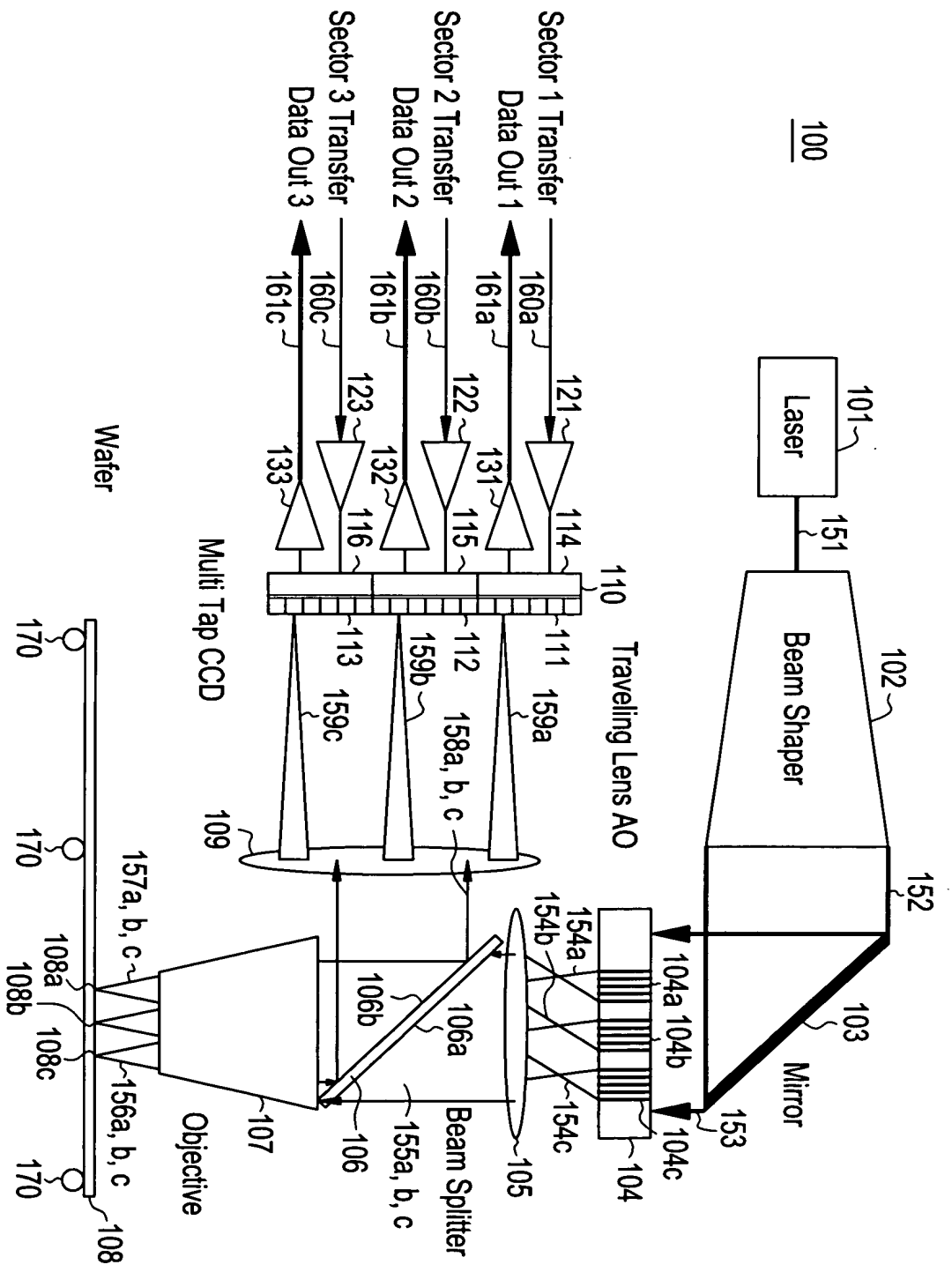


FIG. 1

FIG. 2

CCD Timing Diagram

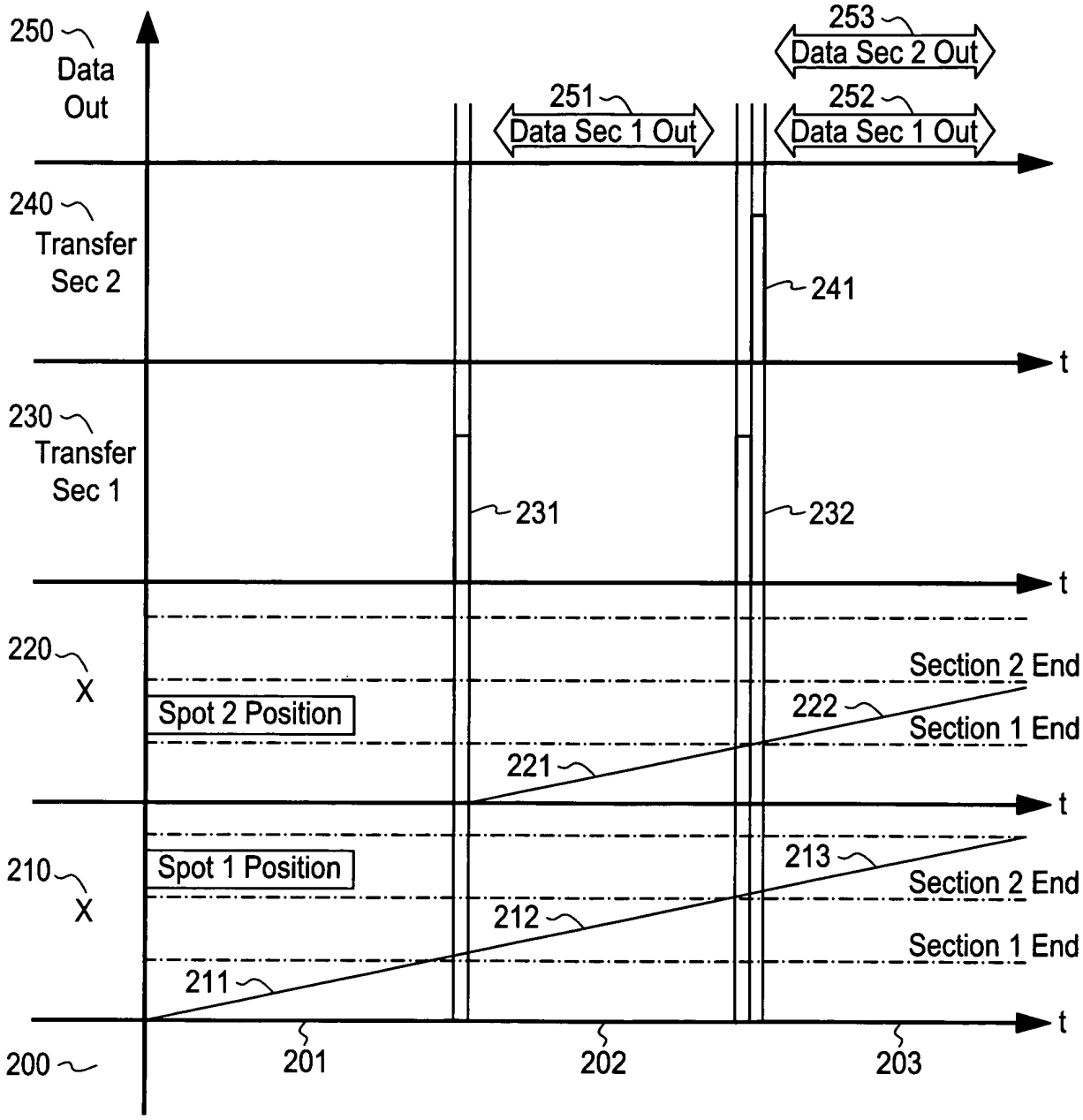


FIG. 3

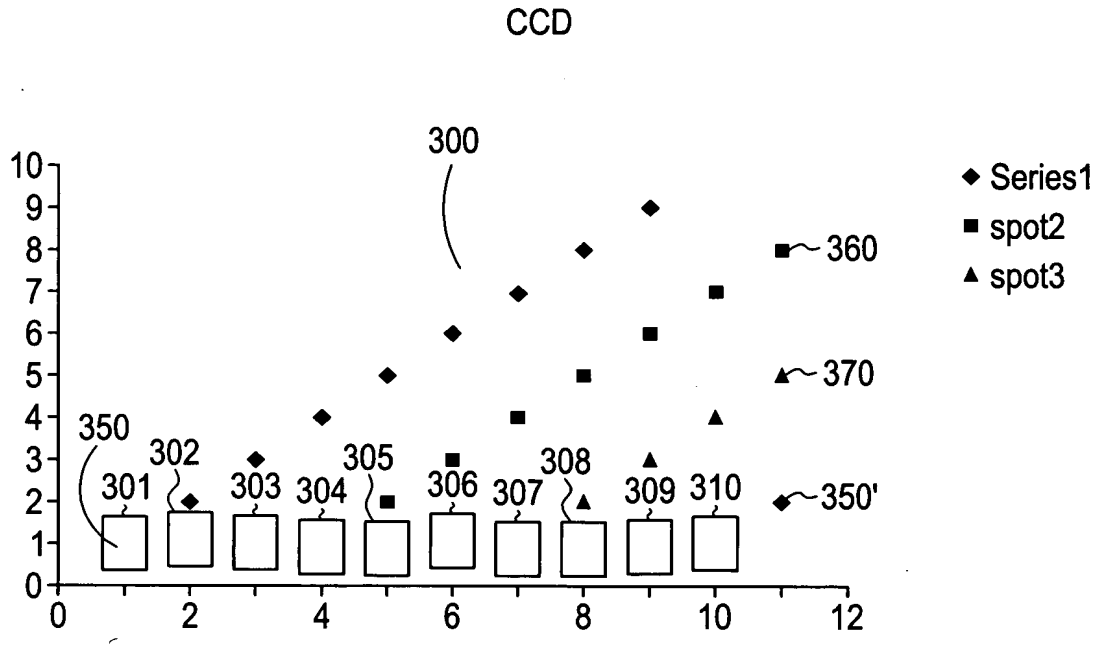

CCD
300
350
301
302
303
304
305
306
307
308
309
310
360
370
350'
Series1
spot2
spot3
0
1
2
3
4
5
6
7
8
9
10
0
2
4
6
8
10
12

FIG. 4

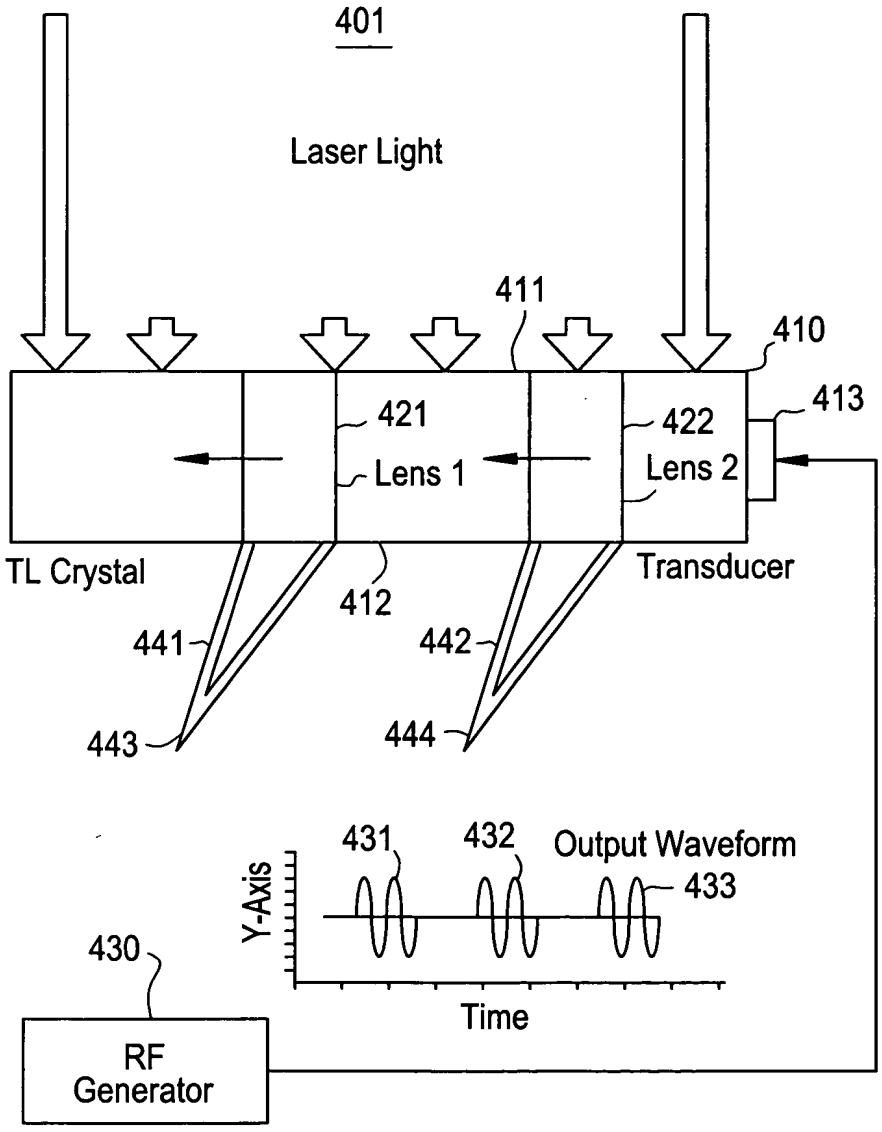

401
Laser Light
411
410
413
421
Lens 1
422
Lens 2
TL Crystal
412
Transducer
441
442
443
444
431
432
Output Waveform
433
Y-Axis
Time
430
RF
Generator

FIG. 5

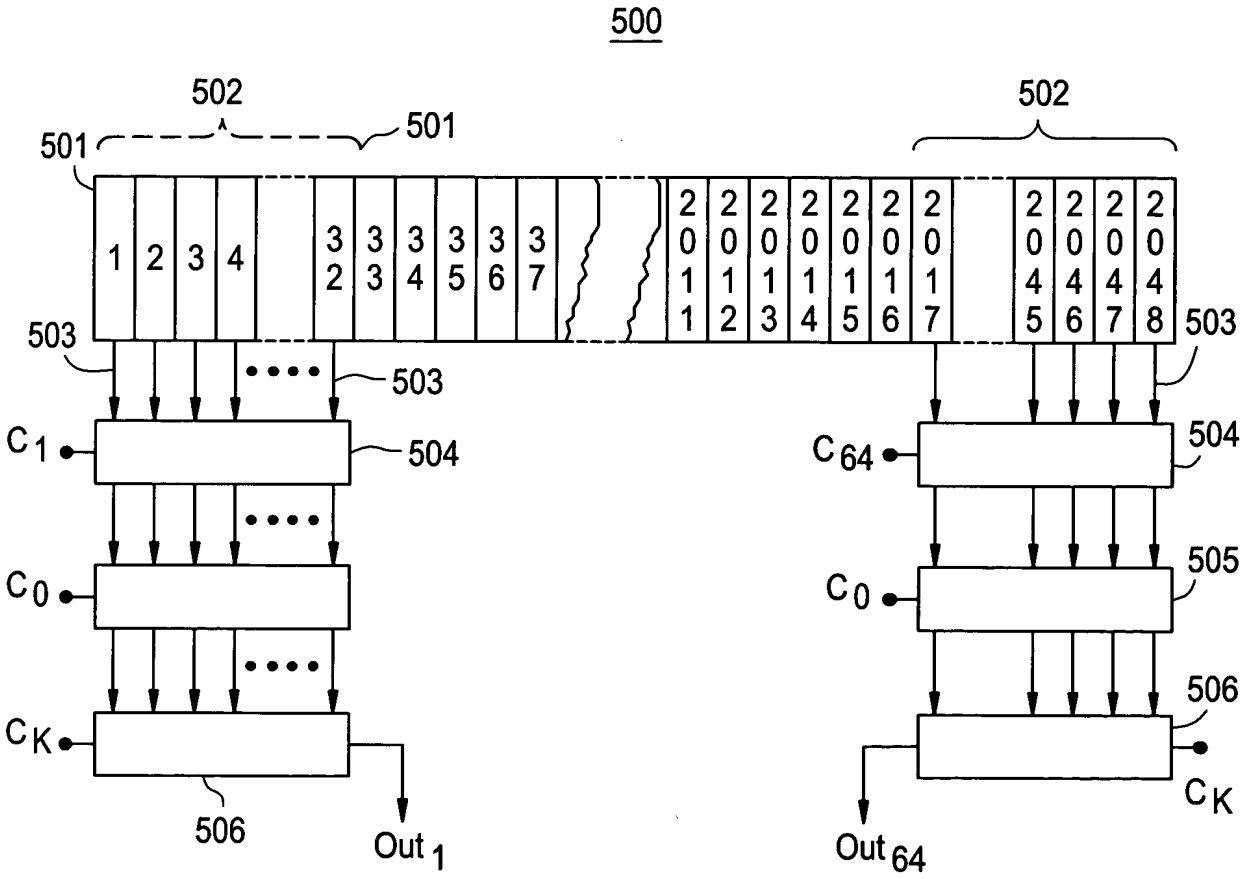

500
502
501
501
502
1
2
3
4
32
33
34
35
36
37
2011
2012
2013
2014
2015
2016
2017
2045
2046
2047
2048
503
503
503
C1
C64
504
504
C0
C0
505
CK
506
CK
506
Out1
Out64

FIG. 6A

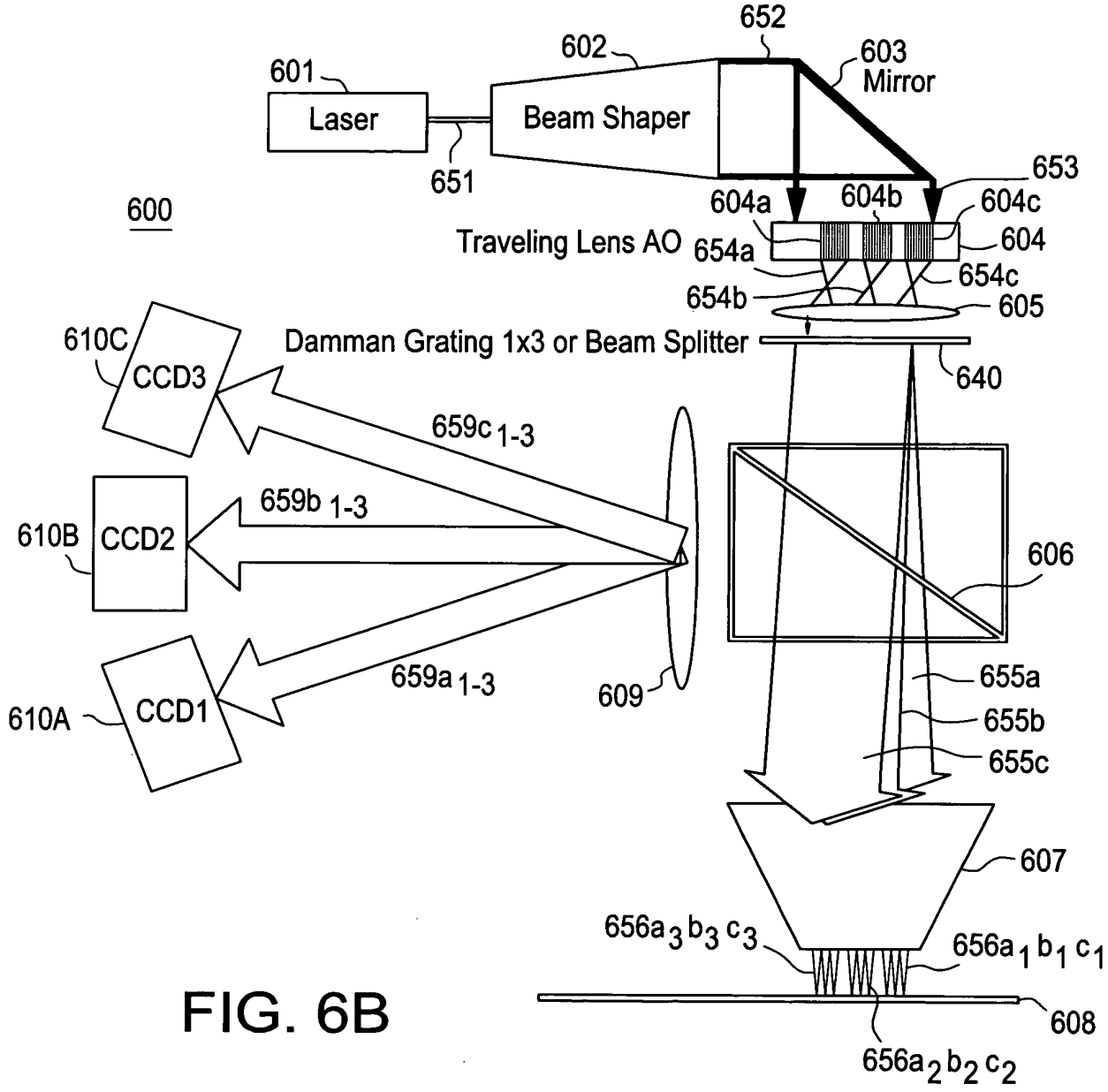

652
602
603
Mirror
601
Laser
Beam Shaper
653
651
600
604a
604b
604c
Traveling Lens AO
654a
604
654c
654b
605
610C
CCD3
Damman Grating 1x3 or Beam Splitter
640
659c 1-3
659b 1-3
610B
CCD2
606
659a 1-3
609
655a
610A
CCD1
655b
655c
607
656a3 b3 c3
656a1 b1 c1
608
656a2 b2 c2

FIG. 6B

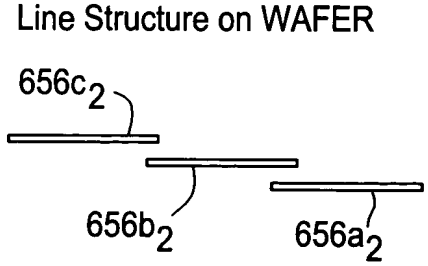

Line Structure on WAFER
656c2
656b2
656a2

FIG. 7A

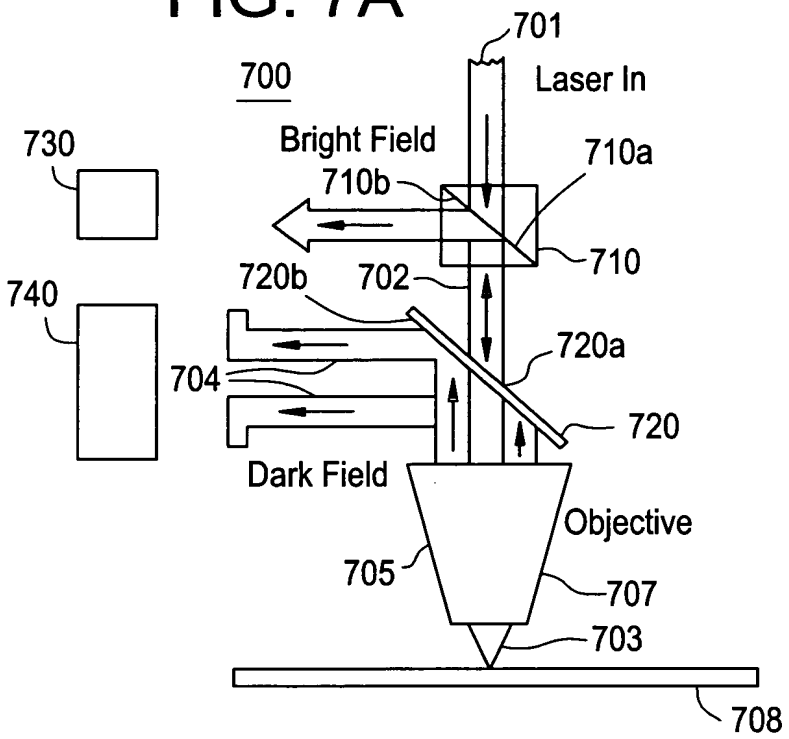
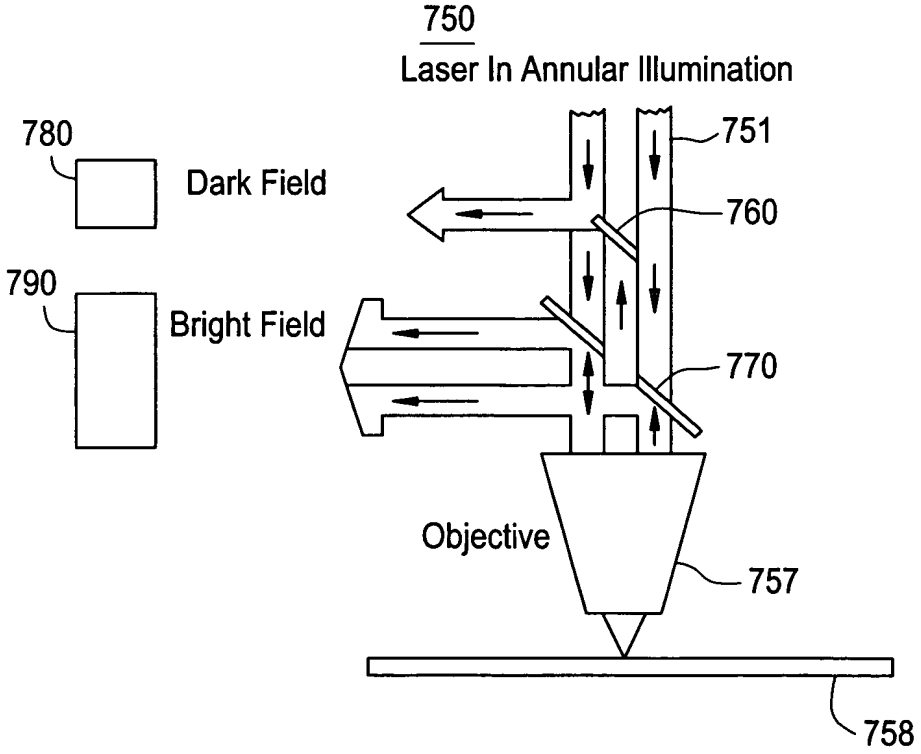

701
700
Laser In
Bright Field
730
710a
710b
710
720b
702
740
720a
704
720
Dark Field
Objective
705
707
703
708

FIG. 7B


750
Laser In Annular Illumination
780
751
Dark Field
760
790
Bright Field
770
Objective
757
758